

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: February 26, 2002, 10:44:15 : Search time 104.28 Seconds  
(without alignments)  
1479.013 Million cell updates/sec

Title: US-09-602-833a-3

Perfect score: 681

Sequence: 1 atgagaattcgtgatcgtgcc.....cttttagccttaactttga 681

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	37	5.4	241	1	US-08-594-031-152
2	35.6	5.2	12225	2	US-08-822-445-11
3	35.6	5.2	12616	2	US-08-822-445-9
4	35.4	5.2	1095	1	US-08-423-564-3
5	35.4	5.2	1287	1	US-08-423-564-4
6	35.4	5.2	2166	1	US-08-423-564-7
7	35.4	5.2	2255	1	US-08-423-564-1
8	34.2	5.0	3573	4	US-09-353-585-4
9	34.2	5.0	6471	4	US-09-353-585-1
10	33.6	4.9	3979	4	US-09-180-439-1
11	33.6	4.9	3979	4	US-09-180-439-2
12	33.6	4.9	4123	4	US-09-180-439-7
13	33.6	4.9	18596	4	US-09-318-448-11
14	32.8	4.8	1245	4	US-09-386-875-1
15	32.6	4.8	3541	4	US-09-180-439-5
16	32.4	4.8	1054	1	US-08-393-985-7
17	32.2	4.7	552	1	US-08-266-311-4
18	32.2	4.7	552	1	US-08-467-527a-4
19	32.2	4.7	552	1	US-08-467-528-4
20	32.2	4.7	556	1	US-08-266-311-12
21	32.2	4.7	566	4	US-08-467-527a-12
22	32.2	4.7	566	4	US-08-467-528-12
23	32.2	4.7	2610	1	US-08-266-311-2
24	32.2	4.7	2610	1	US-08-467-527a-2
25	32.2	4.7	2610	4	US-08-467-528-2
26	32.2	4.7	3868	1	US-08-266-311-8
27	32.2	4.7	3868	1	US-08-467-527a-8

C	28	32.2	4.7	3868	4	US-08-467-528-8	Sequence 8, Appli
	29	32	4.7	1094	4	US-09-144-918-3	Sequence 3, Appli
	30	32	4.7	1400	1	US-09-144-918-1	Sequence 1, Appli
	31	32	4.7	7101	1	US-08-480-604a-9	Sequence 9, Appli
	32	32	4.7	7101	4	US-08-405-496a-9	Sequence 9, Appli
	33	32	4.7	7101	4	US-08-915-136-9	Sequence 9, Appli
	34	31.8	4.7	332	4	US-09-221-298-6	Sequence 6, Appli
	35	31.8	4.7	510	4	US-09-117-257-49	Sequence 49, Appli
	36	31.8	4.7	6256	2	US-08-475-891a-1	Sequence 1, Appli
	37	31.8	4.7	6256	2	US-08-567-375-1	Sequence 1, Appli
	38	31.8	4.7	6256	2	US-08-587-680a-1	Sequence 1, Appli
	39	31.6	4.6	1275	2	US-08-741-437-2	Sequence 2, Appli
	40	31.6	4.6	1275	2	US-09-134-593-2	Sequence 2, Appli
	41	31.6	4.6	2334	1	US-08-062-632-4	Sequence 4, Appli
	42	31.6	4.6	2739	2	US-08-951-871-1	Sequence 1, Appli
	43	31.2	4.6	1222	1	US-08-220-958-5	Sequence 5, Appli
	44	31	4.6	2248	1	US-08-639-237-1	Sequence 1, Appli
	45	31	4.6	2248	1	US-08-975-405-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1  
US-08-594-031-152  
Sequence 152, Application US/08594031  
Patent No. 5783182  
GENERAL INFORMATION:  
APPLICANT: THOMPSON, Timothy C.  
TITLE OF INVENTION: METHOD FOR IDENTIFYING METASTATIC SEQUENCES  
NUMBER OF SEQUENCES: 175  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BAKER & BOTS, L.L.P.  
STREET: 1299 Pennsylvania Avenue, N.W.  
CITY: Washington  
STATE: DC  
COUNTRY: USA  
ZIP: 20004-2400  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/594,031  
FILING DATE: 30-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/006,838  
FILING DATE: 16-NOV-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Remenick, James  
REGISTRATION NUMBER: 36,902  
REFERENCE/DOCKET NUMBER: 0A146-0110  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-639-7700  
TELEFAX: 202-639-7890  
TELEX:  
INFORMATION FOR SEQ ID NO: 152:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 241 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
US-08-594-031-152  
Query Match 5.4%; Score 37; DB 1; Length 241;

[illegible]

```

RESULT 2
US-08-822-445-11
; Sequence 11, Application US/08822445
; Patent No. 5952223
; GENERAL INFORMATION:
; APPLICANT: Kaplan, Jerry
; APPLICANT: Perou, Charles
; APPLICANT: Moore, Karen
; TITLE OF INVENTION: COMPOSITIONS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF CHEDIAK-HIGASHI SYNDROME
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,445
; FILING DATE: 21-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-062-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12225 base pairs
; type: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 190..11208
; OS-08-822-445-11

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Query Match	5.2%;	Score 35.6;	DB 2;	Length 12225;
Best Local Similarity	47.3%;	Pred. No. 0.6;		
Matches 107; Conservative	0;	Mismatches 119;	Indels 0;	Gaps
402	gctgaacctgaagaactcctctglttaagtcgaatgtyggagaccatttgtagagctcc 461			

Accession	Position	Sequence	Length
D0	7722	GCAGAGCTACAGAGGCTCCTCTTTTACGACGCAACAGGATTATTTATCAGAATTTAA	7781
QY	462	aacgcgccttctgfacactacacaccccttaaatctgaaagccctatgaaacatccat	521
D0	7782	TTTCAGACATTATTGACATTTTGGAGAACTCCAGAAAAATGTAACCTCAAGAGAACCTCGAT	7841
QY	522	tgaataagcccaatctgaaagatgycaatgcaataatgaaagtgaaagcgcgcaca	581
D0	7842	TTTCCAGACCGAAATTTCTGAGAAAAATTTCTACTGACAGTCTTCTGTTTCAATCC	7901
QY	582	tttgaataaagaagctatgaaagcccatatctgaaagccctaaaga	627
D0	7902	ATTTCAGAAAGAAATTTTATACATATCGGTAGAGGATTTCAAAGTA	7947

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RESULT 3
US-08-822-445-9
; Sequence 9, Application US/08822445
; Patent No. 5952223
; GENERAL INFORMATION:
; APPLICANT: Kaplan, Jerry
; APPLICANT: Perou, Charles
; APPLICANT: Moore, Karen
; TITLE OF INVENTION: COMPOSITIONS FOR THE DIAGNOSIS
; TITLE OF INVENTION: AND TREATMENT OF CHEDIAK-HIGASHI SYNDROME
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/822,445
; FILING DATE: 21-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-062-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12616 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 190..11592
; IS-08-822-445-9

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	Query Match	Score	DB	Length
Best Match	Similarity	47.3%	Pred. No. 0.61	
Matches	107	Conservative	0	Mismatches 119; Indels 0; Gaps 0
QY	402	gcctgaacctgaagaagctcaactctgtttagtcgtctgaatggtggaccatttgttgaagctccc	461	
DB	8109	GCAGACATACGAGAGGCTACTGTTTATGGACGTAAACAGCATTTATTTATTCACAAATTTTAA	8168	
Y	462	aactgaccttlttgactcatccacacaccttlaaatttgtlaagccttatggacaacctcat	521	

Db 8169 TTCAGACATTTTACATTTTGAGAACTCCAGAAATGTACTCAAGCAAGACCTAGT 8228  
QY 522 tgataatgcccaatgtaagatgcaatgataatggaagtgaacggatcgccaca 581  
Db 8229 TTTCCAGACCGAAATTTCTGAGGAAATATTCATCATCATGACAGCTCTTCTGTTTCAATCC 8288  
QY 582 ttgtgataaagaagttatgaagccctatatgtgaagacctaaaga 627  
Db 8289 ATTTCAGAAAGAAATTTTACATATCTGCTGATGAGGATTCAAAGTA 8334

## RESULT 4

US-08-423-564-3  
; Sequence 3, Application US/08423564  
; Patent No. 5654417  
; Patent No. 5654417 5654417  
; GENERAL INFORMATION:  
; APPLICANT: Tarr, Phillip I.  
; APPLICANT: Bilge, Sima S.  
; APPLICANT: Vary, Jr., James C.  
; TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. COLI O157:H7  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness  
; STREET: 1420 5th Ave., Suite 2800  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101-2347  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/423,564  
; FILING DATE: 14-Apr-1995  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Broderick, Thomas F.  
; REGISTRATION NUMBER: 31,332  
; REFERENCE/DOCKET NUMBER: CHOR-1-8116  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 682-8100  
; TELEFAX: (206) 224-0779  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1095 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; DESCRIPTION: nucleotides 1029-2123 of SEQ ID NO:1  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Escherichia coli  
; US-08-423-564-3

Query Match 5.2%; Score 35.4; DB 1; Length 1095;  
Best Local Similarity 54.1%; Pred. No. 0.2;  
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 507 tatggacaatcctattgataatgcccaatgtgaagatgcaatgaaataatgaaagtga 566  
Db 693 TATCTGGCTGCTATAGATTAGCCAGTTAGAACAGCTGATTTTATATCACGAAA 752  
QY 567 accgagatcgcaacatttgaataagaagtataagaagccctatatgaaagaccttaaga 626  
Db 753 ACGTGAATTCGCTGATTTTATATAAAAAAATATACACAGCTCTTGTACAGTCCACAGGA 812

QY 627 aagagaatcgtt 639  
Db 813 AAGTAAAGATGTT 825

## RESULT 5

US-08-423-564-4  
; Sequence 4, Application US/08423564  
; Patent No. 5654417  
; Patent No. 5654417 5654417  
; GENERAL INFORMATION:  
; APPLICANT: Tarr, Phillip I.  
; APPLICANT: Bilge, Sima S.  
; APPLICANT: Vary, Jr., James C.  
; TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. COLI O157:H7  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness  
; STREET: 1420 5th Ave., Suite 2800  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98101-2347  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/423,564  
; FILING DATE: 14-Apr-1995  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Broderick, Thomas F.  
; REGISTRATION NUMBER: 31,332  
; REFERENCE/DOCKET NUMBER: CHOR-1-8116  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (206) 682-8100  
; TELEFAX: (206) 224-0779  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1287 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; DESCRIPTION: nucleotides 913-2199 of SEQ ID NO:1  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Escherichia coli  
; US-08-423-564-4

Query Match 5.2%; Score 35.4; DB 1; Length 1287;  
Best Local Similarity 54.1%; Pred. No. 0.22;  
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 507 tatggacaatcctattgataatgcccaatgtgaagatgcaatgaaataatgaaagtga 566  
Db 809 TATCTGGCTGCTATAGATTAGCCAGTTAGAACAGCTGATTTTATATCACGAAA 868  
QY 567 accgagatcgcaacatttgaataagaagtataagaagccctatatgaaagaccttaaga 626  
Db 869 ACGTGAATTCGCTGATTTTATATAAAAAAATATACACAGCTCTTGTACAGTCCACAGGA 928  
QY 627 aagagaatcgtt 639  
Db 929 AAGTAAAGATGTT 941

RESULT 6  
US-08-423-564-7

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Sequence 7, Application US/08423564
Patent No. 5654417
General Information:
  Applicant: Tarr, Phillip I.
  Applicant: Bilge, Sima S.
  Applicant: Vary, Jr., James C.
  Title Of Invention: NUCLEIC ACID PROBES FOR DETECTING E. COLI O157:H7
  Number Of Sequences: 9
  Correspondence Address:
    Addressee: Christiansen, O'Connor, Johnson, Kindness
    Street: 1420 5th Ave., Suite 2800
    City: Seattle
    State: WA
    Country: USA
    Zip: 98101-2347
  Computer Readable Form:
    Medium Type: Floppy disk
    Computer: IBM PC compatible
    Operating System: PC-DOS/MS-DOS
    Software: PatentIn Release #1.0, Version #1.25
  Current Application Data:
    Application Number: US/08/423,564
    Filing Date: 14-APR-1995
    Classification: 536
  Attorney/Agent Information:
    Name: Broderick, Thomas F.
    Registration Number: 31,332
    Reference/Docket Number: CHOR-1-8116
    Telecommunication Information:
      Telephone: (206) 682-8100
      Telefax: (206) 224-0779
  Information For Seq ID No.: 7:
    Sequence Characteristics:
      Length: 2168 base pairs
      Type: nucleic acid
      Strandedness: double
      Topology: linear
    Molecule Type: DNA (genomic)
    Description: nucleotides 32-2199 of SEQ ID NO:1
    Hypothetical: NO
    Anti-Sense: NO
    Original Source:
      Organism: Escherichia coli
US-08-423-564-7

Query Match          5 2%: Score 35.4; DB 1; Length 2168;
Best Local Similarity 54.1%; Pred. No. 0.28;
Matches 72; Conservative 0; Mismatches 61; Indels 0; Gaps 0.

QY 507 tatggacaacatctatgtaatacgccaatgtgaagatgccaatgaataatgaagaatga 566
    |||  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
DB 1690 TATCGCGCCTGCTATAGAGATTAGCCACGTTGAGAACAGCTGATGTTTATATCAAGAA 1749
    |||  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

QY 567 acggagatcgccaacatttgataaagaagtatgaagacctatattgaagaccttaaga 626
    |||  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
DB 1750 ACGTGAATTTGCTGATTTATAAAAAAATATCAACAGCTTGTGTAACAAGTCCACAGGA 1809
    |||  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

QY 627 aagagaatcigt 639
    |||  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
DB 1810 AAGTAAGATGTT 1822

RESULT
7
US-08-423-564-1
; Sequence 1, Application US/08423564
; Patent No. 5654417
; Patent No. 5654417 5654417
; GENERAL INFORMATION:
; APPLICANT: Bilge, Sima S.
; APPLICANT: Vary, Jr., James C.
; APPLICANT: Tarr, Phillip I.
; APPLICANT: Bilge, Sima S.
; APPLICANT: Vary, Jr., James C.

```

```

1 TITLE OF INVENTION: NUCLEIC ACID PROBES FOR DETECTING E. COLI 0157:H7
2
3 NUMBER OF SEQUENCES: 9
4
5 CORRESPONDENCE ADDRESS:
6
7 ADDRESSEE: Christiansen, O'Connor, Johnson, Kindness
8
9 STREET: 1420 5th Ave., Suite 2800
10
11 CITY: Seattle
12
13 STATE: WA
14
15 COUNTRY: USA
16
17 ZIP: 98101-2347
18
19 COMPUTER READABLE FORM:
20
21 MEDIUM TYPE: Floppy disk
22
23 COMPUTER: IBM PC compatible
24
25 OPERATING SYSTEM: PC-DOS/MS-DOS
26
27 SOFTWARE: Patentln Release #1.0, Version #1.25
28
29 CURRENT APPLICATION DATA:
30
31 APPLICATION NUMBER: US/08/423,564
32
33 FILING DATE: 14-APR-1995
34
35 CLASSIFICATION: 536
36
37 ATTORNEY/AGENT INFORMATION:
38
39 NAME: Broderick, Thomas F.
40
41 REGISTRATION NUMBER: 31,332
42
43 REFERENCE/DOCKET NUMBER: CHOR-1-8116
44
45 TELECOMMUNICATION INFORMATION:
46
47 TELEPHONE: (206) 682-8100
48
49 TELEFAX: (206) 224-0779
50
51 INFORMATION FOR SEQ ID NO: 1:
52
53 SEQUENCE CHARACTERISTICS:
54
55 LENGTH: 2255 base pairs
56
57 TYPE: nucleic acid
58
59 STRANDEDNESS: double
60
61 TOPOLOGY: linear
62
63 MOLECULE TYPE: DNA (genomic)
64
65 DESCRIPTION: nucleotide sequence of the F12 region
66
67 HYPOTHEITICAL: NO
68
69 ANTI-SENSE: NO
70
71 ORIGINAL SOURCE:
72
73 ORGANISM: Escherichia coli
74
75 US-08-423-564-1
76
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10 RESULT
11 US-09-180-439-1
12 : Sequence 1, Application US/09180439
13 : Patent No. 6225532
14 : GENERAL INFORMATION:
15 : APPLICANT: Dixon, Mark S
16 : APPLICANT: Hatzixanthis, Kostas
17 : APPLICANT: Jones, David A
18 : APPLICANT: Jones, Jonathan DG
19 : TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
20 : FILE REFERENCE: 620 - 53
21 : CURRENT APPLICATION NUMBER: US/09/180,439
22 : EARLIER FILING DATE: 1998-12-06
23 : EARLIER APPLICATION NUMBER: PCT/G897/01249
24 : EARLIER FILING DATE: 1997-05-08
25 : EARLIER APPLICATION NUMBER: GB 9609681.3
26 : EARLIER FILING DATE: 1996-05-09
27 : EARLIER APPLICATION NUMBER: GB 9619924.5
28 : EARLIER FILING DATE: 1996-09-24
29 : NUMBER OF SEO ID NOS: 10
30 : SOFTWARE: PatentIn Ver. 2.0
31 : SEO ID NO 1
32 : LENGTH: 3979
33 : TYPE: DNA
34 : ORGANISM: Lycopersicon esculentum
35 : US-09-180-439-1

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Query Match          4.9%: Score 33.6; DB 4; Length 3979;
Best Local Similarity 52.1%: Pred. No. 1.4;
Matches 100; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

OY 39 tcttcacagcaaatcgggtgtttgaagaacctgaaagaactcaatgtggtttcaacta 98
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1415 tattcttaagaataagtagttaccctaaggtcacttctaagctacttcttggtatcaatt 1474
OY 99 tcttaagag---cattccctcagaatttggagatgtgtgaatactcagaagactgtgattg 155
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1475 tcttagtggttcacattcctgtcttcatttggggaatctaacaactgtctagtttgacct 1534
OY 156 ttctcggaactcagaatataatgagagctgycaccttgaatlaagtaattggaagaaqttac 215
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1535 ttacaatatagaagtttctgtgctctatctcctgaagaataagtttaccctcctaac 1594
OY 216 atttgatat 227
      ||||| |
Db 1595 ttacctagattt 1606

RESULT 11
US-09-180-439-2
; Sequence 2, Application US/09180439
; Patent No. 6225532
; GENERAL INFORMATION:
; APPLICANT: Dixon, Mark S
; APPLICANT: Hatziathanis, Kostas
; APPLICANT: Jones, David A
; APPLICANT: Jones, Jonathan DG
; TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
; FILE REFERENCE: 620 - 53
; CURRENT APPLICATION NUMBER: US/09/180,439
; CURRENT FILING DATE: 1998-12-06
; EARLIER APPLICATION NUMBER: PCT/GB97/01249
; EARLIER FILING DATE: 1997-05-08
; EARLIER APPLICATION NUMBER: GB 9609681.3
; EARLIER FILING DATE: 1996-05-09
; EARLIER APPLICATION NUMBER: GB 9619924.5
; EARLIER FILING DATE: 1996-09-24
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 3979

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: TYPE: DNA
: ORGANISM: Lycopersicon esculentum
US-09-180-439-2

Query Match      4.9%; Score 33.6; DB 4; Length 3979;
Best Local Similarity 52.1%; Pred. No. 1.4;
Matches 100; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

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Db      1475      tcttaagtggtccatctcgtcttcattcgtgggaaatctaacaacctgtcttaagttggaact 1534

QY      156      ttctgggaatctagaatataatggagctgccttgaattgaatttgaagaagttac 215
         ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      1535      ttacaataataagcttcttgctctattcttcgaagaataaggttacctgaagttccttac 1594

QY      216      atttgatagat 227
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Db      1595      ttacctagattt 1606

RESULT 12
US-09-180-439-7
: Sequence 7, Application US/09180439
: Patent No. 6225532
: GENERAL INFORMATION:
: APPLICANT: Dixon, Mark S
: APPLICANT: Hatzixanthis, Kostas
: APPLICANT: Jones, David A
: APPLICANT: Jones, Jonathan DG
: TITLE OF INVENTION: Plant pathogen resistance genes and uses thereof
: FILE REFERENCE: 620 - 53
: CURRENT APPLICATION NUMBER: US/09/180,439
: EARLIER FILING DATE: 1998-12-06
: EARLIER APPLICATION NUMBER: PCT/GB97/01249
: EARLIER FILING DATE: 1997-05-08
: EARLIER APPLICATION NUMBER: GB 9609681.3
: EARLIER FILING DATE: 1996-05-09
: EARLIER APPLICATION NUMBER: GB 9619924.5
: EARLIER FILING DATE: 1996-09-24
: NUMBER OF SEQ ID NOS: 10
: SOFTWARE: Patentin Ver. 2.0
: SEQ ID NO 7
: LENGTH: 4123
: TYPE: DNA
: ORGANISM: Lycopersicon esculentum
US-09-180-439-7

Query Match      4.9%; Score 33.6; DB 4; Length 4123;
Best Local Similarity 52.1%; Pred. No. 1.4;
Matches 100; Conservative 0; Mismatches 89; Indels 3; Gaps 1;

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Db      1415      tattctcgaagaaataggattaccctaaggctacctaagctatctcttgggtataactt 1474

QY      99      tctgaagag---cattccctcagaattgggagattgtgaaatctcagaagagactgattg 155
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Db      1475      tcttaagtggtccatctcgtcttcattcgtgggaaatctaacaacctgtcttaagttggaact 1534

QY      156      ttctgggaatctagaatataatggagctgccttgaattgaatttgaagaagttac 215
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Db      1535      ttacaataataagcttcttgctctattcttcgaagaataaggttacctgaagttccttac 1594

QY      216      atttgatagat 227
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Db      1595      ttacctagattt 1606

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